



# Information Technology Cluster



	Grade	English	Math	Science	Social Studies	Other Required Courses	Career & Technical Courses	
<b>High School</b>	9	English 9	Algebra I	Earth, Life or Physical Science	State History or Civics	Physical Education Health	Introduction to Information Technology ■■■■ Information Technology Applications ■■■■	
	10	English 10	Geometry	Biology	US History	<b>Possible GTC Credit</b> <b>General Education</b> English Composition I Speech Mathematics & Logic Economics Intro to Psychology	Fundamentals of Computer Systems ■■■■	
	11	English 11	Algebra II, Pre-Calculus, or Trigonometry	Chemistry or Physics	World History	<b>Cluster Courses</b> IT Fundamentals OS Fundamentals Intro to Networking/Web Concepts Intro to Programming & Database Concepts Hardware & Software Troubleshooting	Intro to Information Support & Services ■ Fundamentals of Digital Communications ■ Introduction to Network Systems ■ Fundamentals of Programming & Software Development ■	
	<i>College Placement Assessments (ACT, SAT, etc), Academic/Career Advisement Provided</i>							
	12	English 12	Pre-Calculus, Trigonometry, or Calculus	Applied Physics	Government Economics		Advanced Computer Applications ■ Programming for Digital Media ■ Network System Design ■ Software Development Tools ■	
<b>Gateway Technical College</b>	<b>Associate Degrees</b>		<b>Technical Diplomas</b>		<b>Certificates</b>		<b>Credit Transfer Opportunities</b>	
	<b>Information Support &amp; Services</b>							<ul style="list-style-type: none"> <li>• Cardinal Stritch</li> <li>• Carthage College</li> <li>• Milwaukee School of Engineering</li> <li>• Pennsylvania College of Technology</li> <li>• UW-Parkside</li> <li>• UW-Stout</li> </ul>
	IT-Computer Support Specialist							
	<b>Interactive Media</b>							
	IT-Web Developer/Administrator							
	<b>Network Systems</b>							
	IT-Network Specialist				Network Security - ATC			
<b>Programming &amp; Software Development</b>								
IT-Programmer/Analyst				Microcomputer Programmer/Analyst AS/400 iSeries Operations Oracle – ATC Solarix Unix – ATC WebSphere-ATC				
<b>Careers</b>	<b>Requiring Postsecondary Education</b>						<b>Requiring Baccalaureate Degree</b>	
	<ul style="list-style-type: none"> <li>• Computer Operator</li> <li>• Computer Programmer</li> <li>• E-Commerce Specialist</li> <li>• Help Desk – Network Support</li> <li>• Information Center Administrator</li> <li>• Network Support Specialist</li> </ul>		<ul style="list-style-type: none"> <li>• PC Coordinator/Consultant</li> <li>• PC Hardware/Software Technician</li> <li>• PC Support Specialist/Analyst</li> <li>• Programmer/Analyst</li> <li>• Software Support Specialist</li> </ul>		<ul style="list-style-type: none"> <li>• Software Support Technician</li> <li>• Web Developer</li> <li>• Web Programmer</li> <li>• Web Security Administrator</li> <li>• Web Specialist</li> </ul>		<ul style="list-style-type: none"> <li>• Database Administrator</li> <li>• E-Commerce Manager</li> <li>• Internet Development Manager</li> <li>• Intranet/Internet Web Application Specialist</li> <li>• Microcomputer Specialist</li> <li>• Network Administrator / Specialist</li> <li>• Programming Manager</li> <li>• Project Manager</li> <li>• Senior Analyst</li> <li>• Systems Analyst / Manager</li> <li>• Telecommunications Specialist</li> <li>• Telecommunication Administrator</li> <li>• Web Master</li> </ul>	